

Data File : VU035705.D
Acq On : 13 Nov 2019 15:40
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Quant Time: Nov 14 07:42:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 14 07:39:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	763082	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	750023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	360080	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	237941	38.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.22%
7) Chloroethane-d5	1.93	69	201803	41.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.59	63	408106	42.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.16%
21) 2-Butanone-d5	4.69	46	334199	92.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.83%
24) Chloroform-d	5.11	84	416527	43.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.52%
26) 1,2-Dichloroethane-d4	5.75	65	247280	42.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.82%
32) Benzene-d6	5.77	84	854950	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.46%
36) 1,2-Dichloropropane-d6	6.73	67	274559	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.62%
41) Toluene-d8	7.93	98	813592	44.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.24%
43) trans-1,3-Dichloropropene-	8.21	79	132411	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
47) 2-Hexanone-d5	8.67	63	245894	101.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.19%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	406640	45.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	309409	42.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	287547	48.319 ug/L	100
3) Chloromethane	1.54	50	331395	51.096 ug/L	99
5) Vinyl chloride	1.62	62	348503	49.940 ug/L	99
6) Bromomethane	1.87	94	198361	56.119 ug/L	97
8) Chloroethane	1.95	64	207740	51.183 ug/L	98
9) Trichlorofluoromethane	2.16	101	435494	52.682 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	255854	53.913 ug/L	99
12) 1,1-Dichloroethene	2.61	96	242802	52.088 ug/L	95
13) Acetone	2.66	43	395401	124.833 ug/L	99
14) Carbon disulfide	2.82	76	715114	49.795 ug/L	99
15) Methyl Acetate	2.99	43	300933	52.455 ug/L	98
16) Methylene chloride	3.08	84	290440	51.065 ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	256088	52.169 ug/L	99
18) Methyl tert-butyl Ether	3.42	73	793841	53.489 ug/L	99
19) 1,1-Dichloroethane	3.92	63	488043	51.540 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	288446	52.097 ug/L	97
22) 2-Butanone	4.77	43	487052	116.486 ug/L	96

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Quant Title : VOC Analysis
QLast Update : Thu Nov 14 07:39:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	157225	53.738	ug/L	95
25) Chloroform	5.14	83	500371	52.030	ug/L	100
27) 1,2-Dichloroethane	5.84	62	359181	51.122	ug/L	100
29) Cyclohexane	5.43	56	410683	53.683	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	412465	52.322	ug/L	99
31) Carbon tetrachloride	5.57	117	374532	53.433	ug/L	98
33) Benzene	5.82	78	1112069	52.757	ug/L	100
34) Trichloroethene	6.58	95	277440	51.773	ug/L	98
35) Methylcyclohexane	6.80	83	423216	54.378	ug/L	98
37) 1,2-Dichloropropane	6.83	63	297624	52.726	ug/L	100
38) Bromodichloromethane	7.14	83	372945	51.979	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	459509	54.767	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	796740	105.505	ug/L	99
42) Toluene	8.00	91	1212159	54.868	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	419045	54.486	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	282695	52.249	ug/L	99
46) Tetrachloroethene	8.58	164	246216	54.949	ug/L	98
48) 2-Hexanone	8.73	43	659366	107.370	ug/L	96
49) Dibromochloromethane	8.84	129	327783	53.722	ug/L	98
50) 1,2-Dibromoethane	8.96	107	304923	52.823	ug/L	97
51) Chlorobenzene	9.48	112	786346	53.317	ug/L	99
52) Ethylbenzene	9.60	91	1293326	54.760	ug/L	98
53) m,p-Xylene	9.72	106	508055	57.327	ug/L	97
54) o-xylene	10.13	106	492176	56.820	ug/L	99
55) Styrene	10.14	104	823311	57.273	ug/L	97
56) Isopropylbenzene	10.51	105	1236651	56.813	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	482970	51.824	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	380817	51.740	ug/L	99
61) Bromoform	10.32	173	260889	47.492	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	572128	50.366	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	565807	49.031	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	570749	49.354	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	85214	47.525	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	331316	50.486	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	191432	43.546	ug/L	99
69) Naphthalene	14.11	128	447044	39.647	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	205508	43.388	ug/L	97

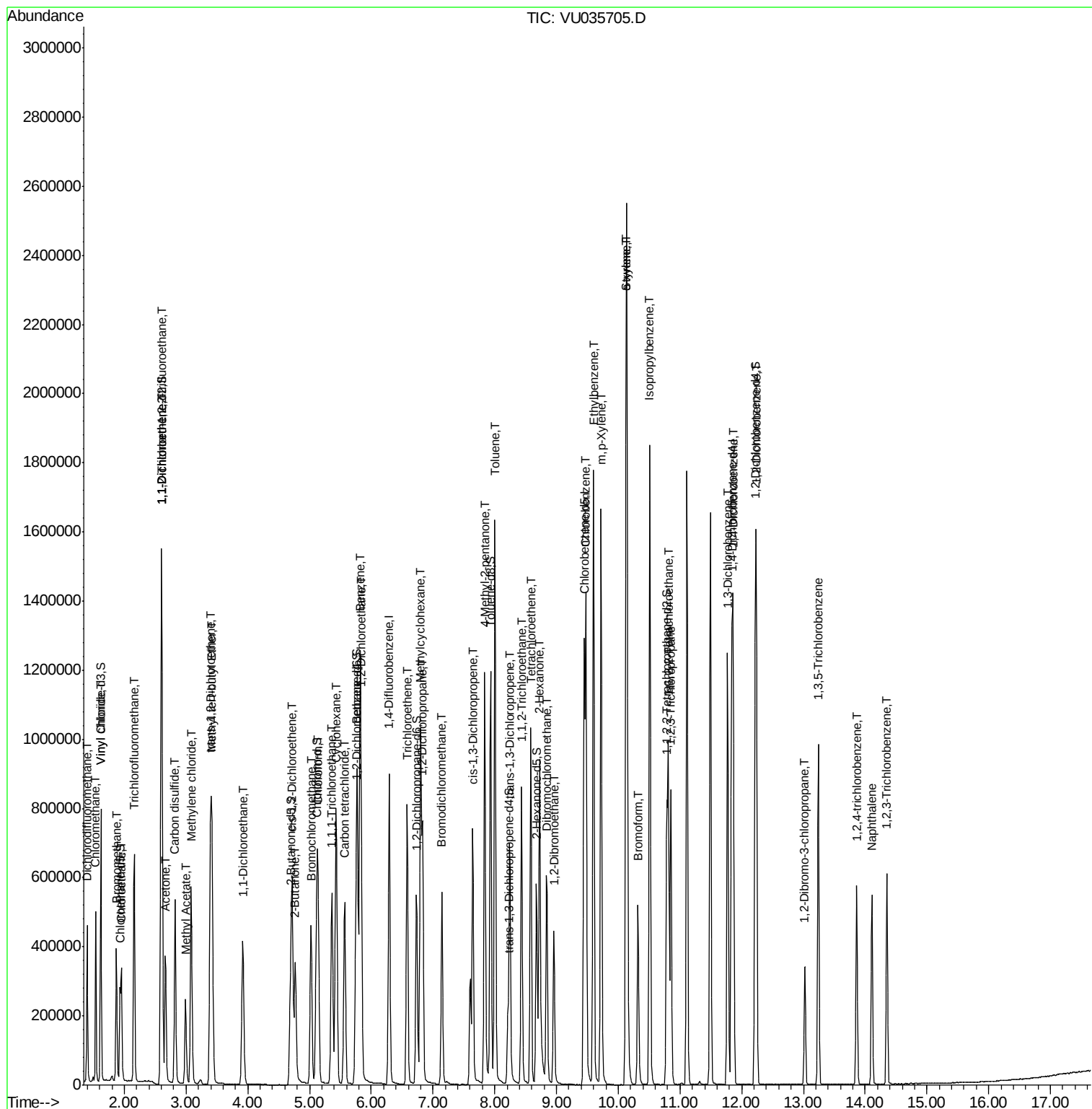
(#) = qualifier out of range (m) = manual integration (+) = signals summed

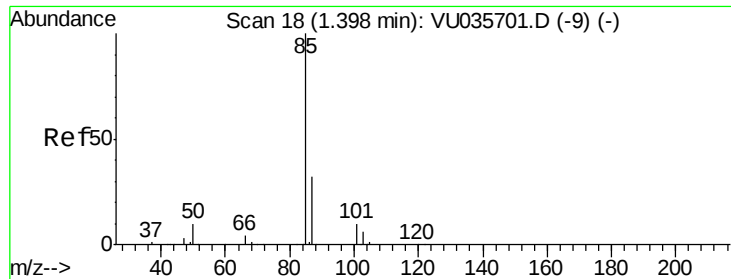
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#2

Dichlorodifluoromethane

Concen: 48.319 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

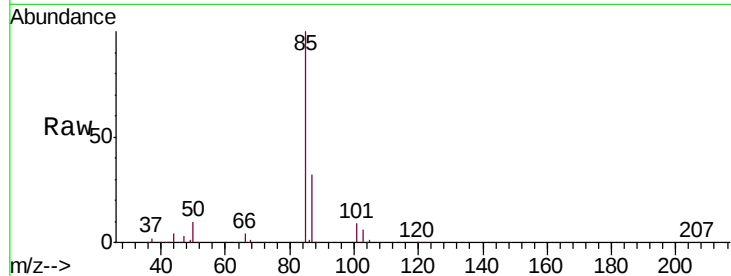
VSTD05046

Tgt Ion: 85 Resp: 287547

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU035705.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035705.D (-9) (-)

1.40

250000

200000

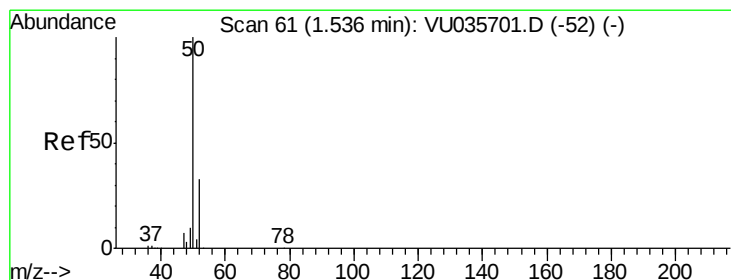
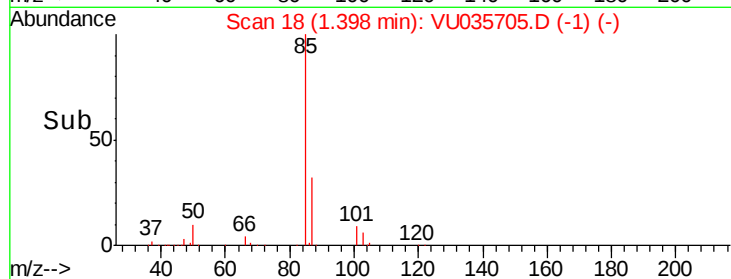
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.096 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035705.D

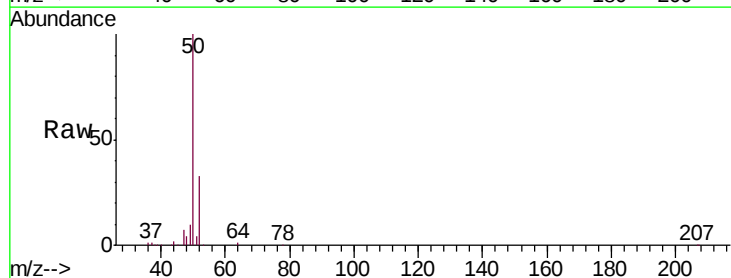
Acq: 13 Nov 2019 15:40

Tgt Ion: 50 Resp: 331395

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU035705.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU035705.D (-52) (-)

1.54

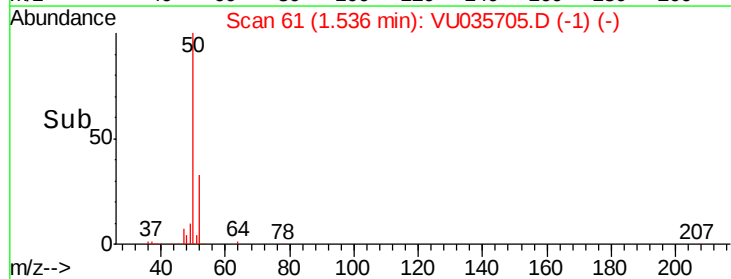
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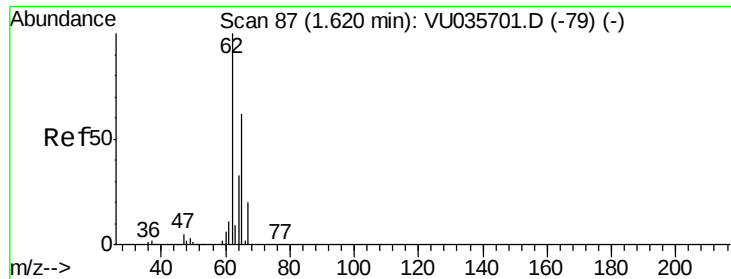
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 49.940 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

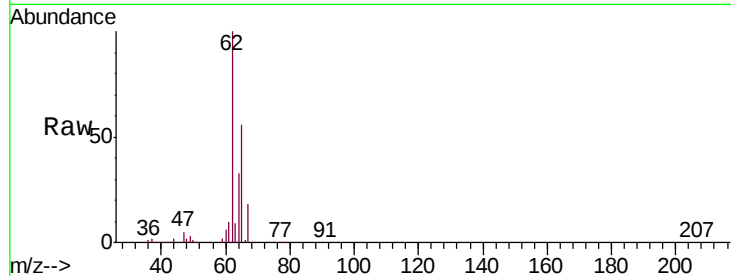
VSTD05046

Tgt Ion: 62 Resp: 348503

Ion Ratio Lower Upper

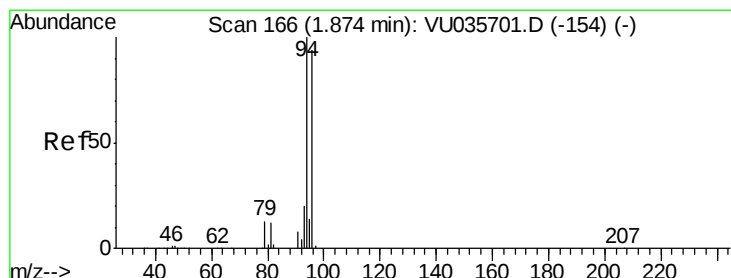
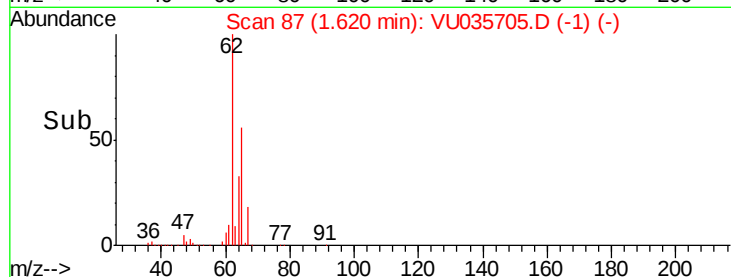
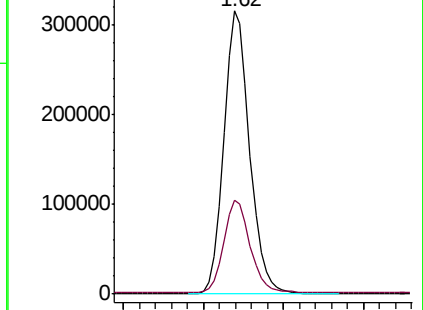
62 100

64 33.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035705.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU035705.D (-1) (-)



#6

Bromomethane

Concen: 56.119 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU035705.D

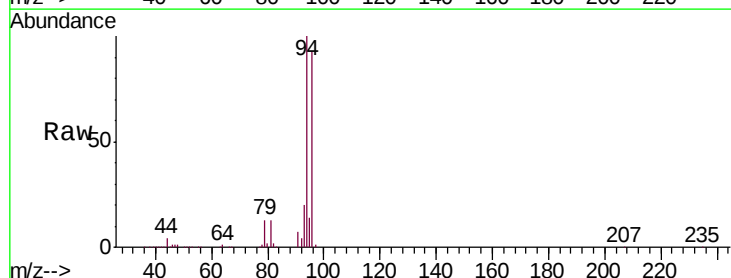
Acq: 13 Nov 2019 15:40

Tgt Ion: 94 Resp: 198361

Ion Ratio Lower Upper

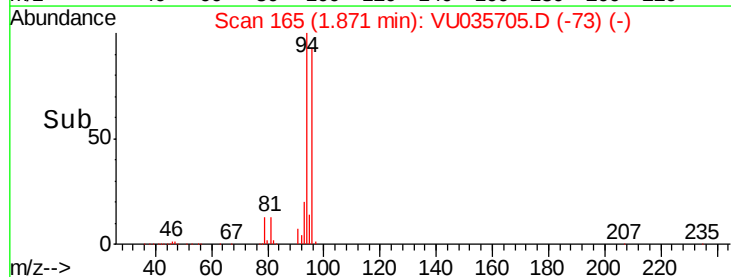
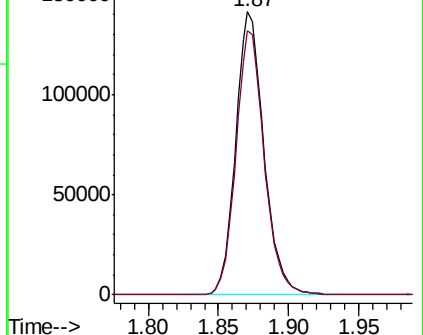
94 100

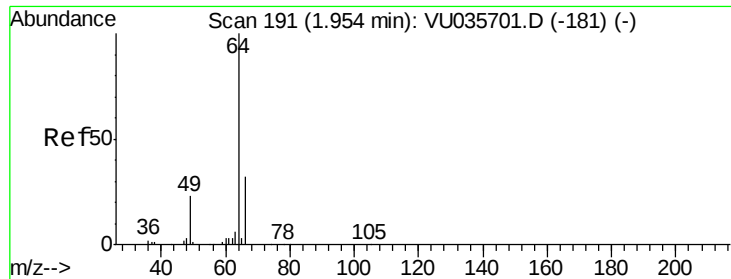
96 93.3 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035705.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035705.D (-73) (-)





#8

Chloroethane

Concen: 51.183 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

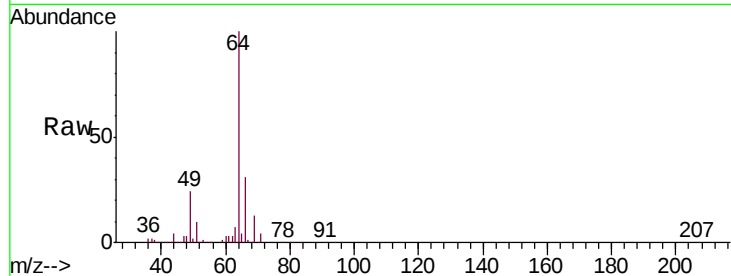
VSTD05046

Tgt Ion: 64 Resp: 207740

Ion Ratio Lower Upper

64 100

66 31.2 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VU035701.D (-181) (-)

Ion 66.00 (65.70 to 66.70): VU035701.D (-181) (-)

1.95

150000

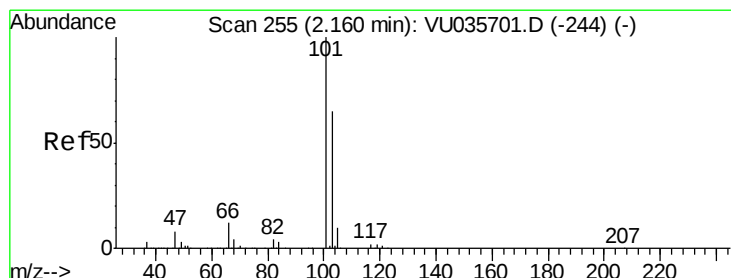
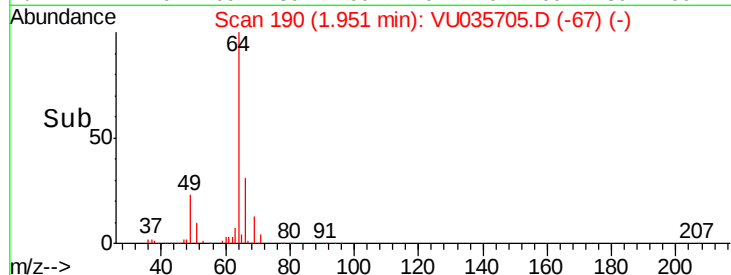
100000

50000

0

1.90 1.95 2.00 2.05

Time-->



#9

Trichlorofluoromethane

Concen: 52.682 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035705.D

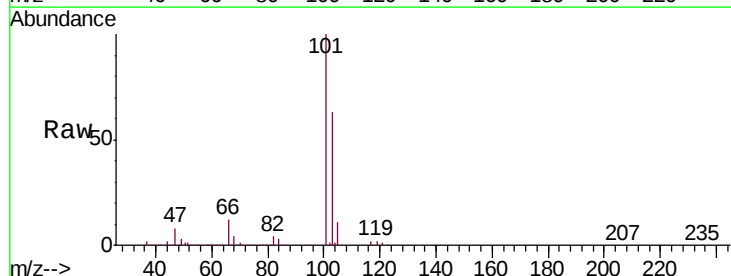
Acq: 13 Nov 2019 15:40

Tgt Ion: 101 Resp: 435494

Ion Ratio Lower Upper

101 100

103 63.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU035701.D (-244) (-)

Ion 103.00 (102.70 to 103.70): VU035701.D (-244) (-)

2.16

300000

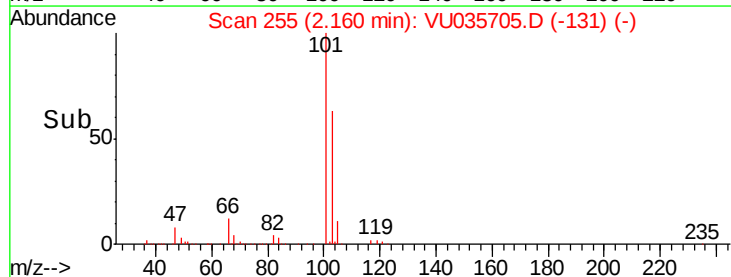
200000

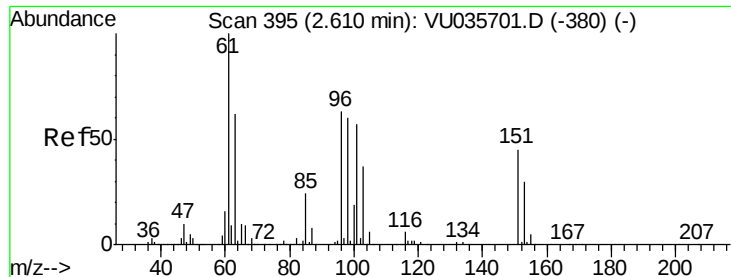
100000

0

2.10 2.15 2.20 2.25

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 53.913 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

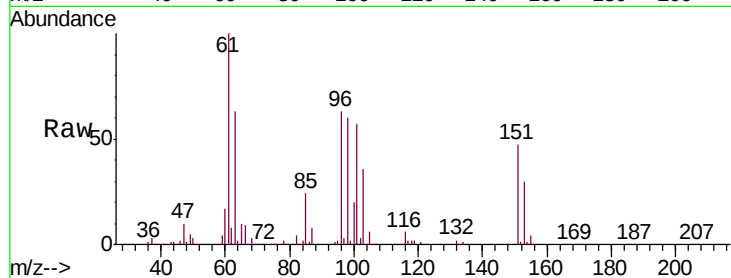
Tgt Ion: 101 Resp: 255854

Ion Ratio Lower Upper

101 100

85 41.3 34.0 51.0

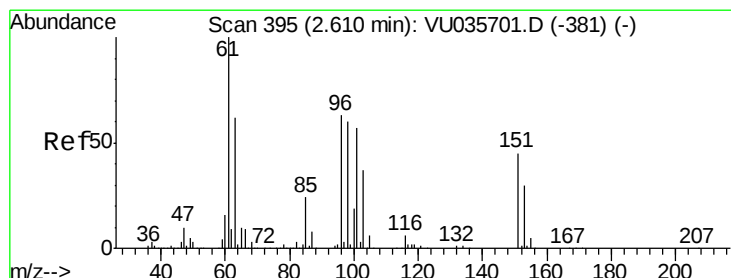
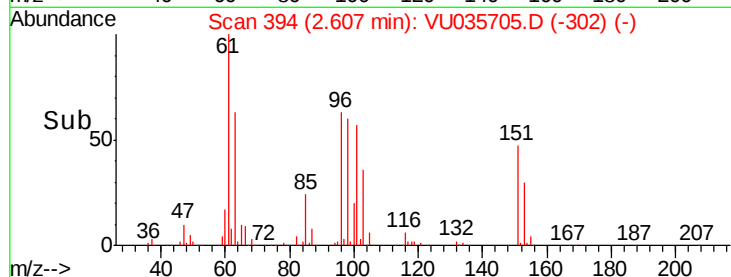
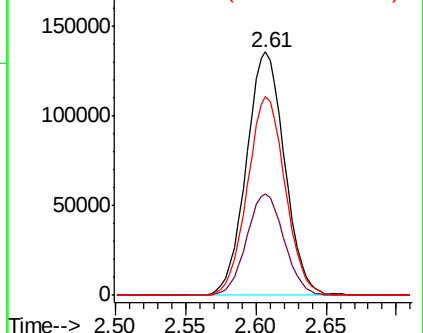
151 81.3 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.088 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

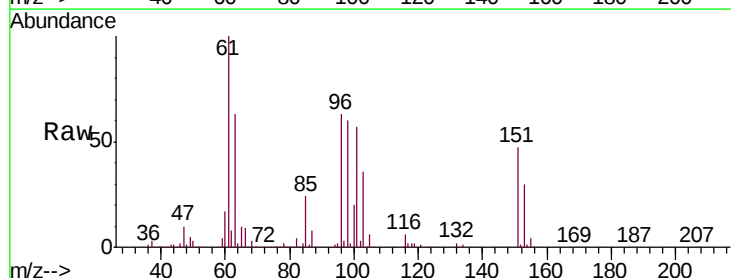
Tgt Ion: 96 Resp: 242802

Ion Ratio Lower Upper

96 100

61 158.1 113.1 210.1

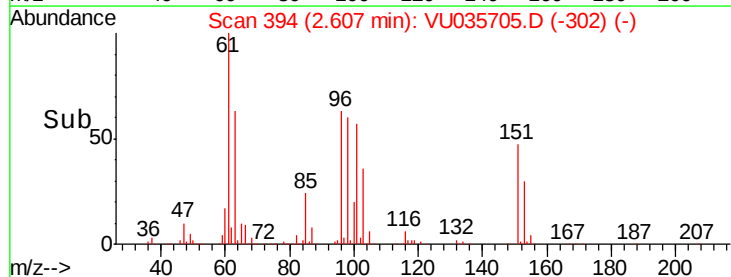
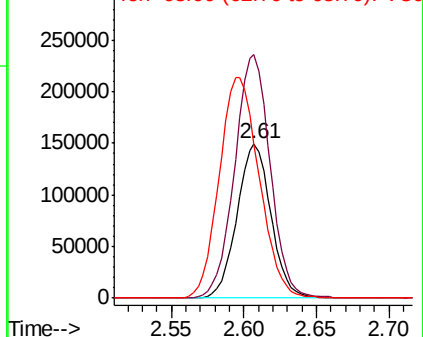
63 100.1 76.2 141.4

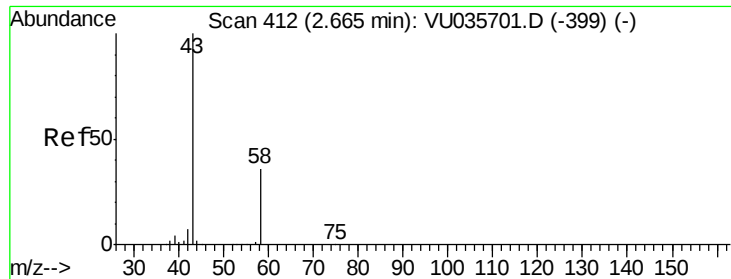


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 124.833 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

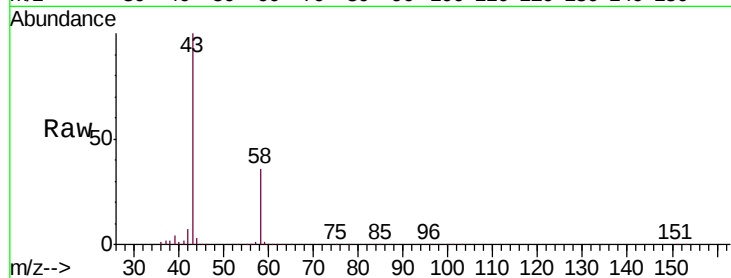
VSTD05046

Tgt Ion: 43 Resp: 395401

Ion Ratio Lower Upper

43 100

58 35.8 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035701.D (-399) (-)

Ion 58.00 (57.70 to 58.70): VU035701.D (-399) (-)

250000

200000

150000

100000

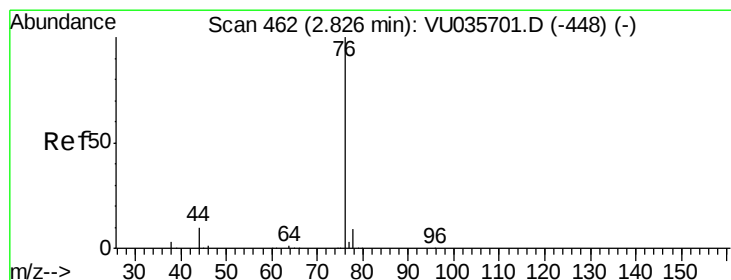
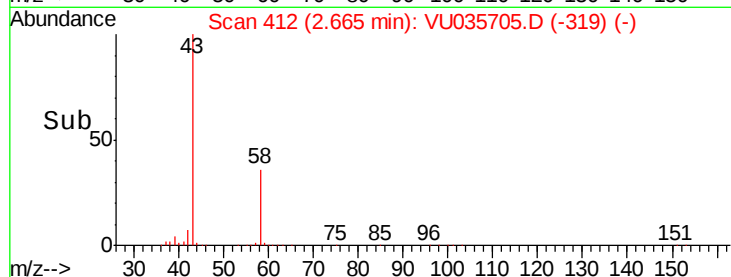
50000

0

2.66

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 49.795 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035705.D

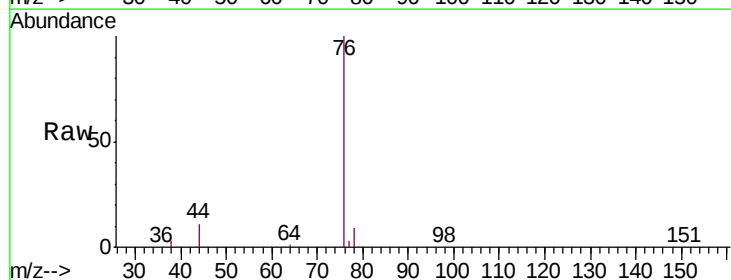
Acq: 13 Nov 2019 15:40

Tgt Ion: 76 Resp: 715114

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU035701.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU035701.D (-448) (-)

400000

300000

200000

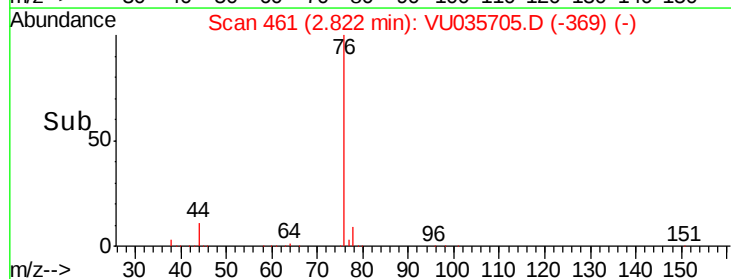
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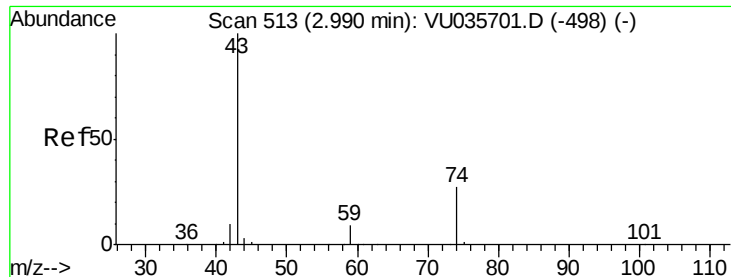
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2.82

2.75 2.80 2.85 2.90 2.95

Time-->





#15

Methyl Acetate

Concen: 52.455 ug/L

RT: 2.99 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

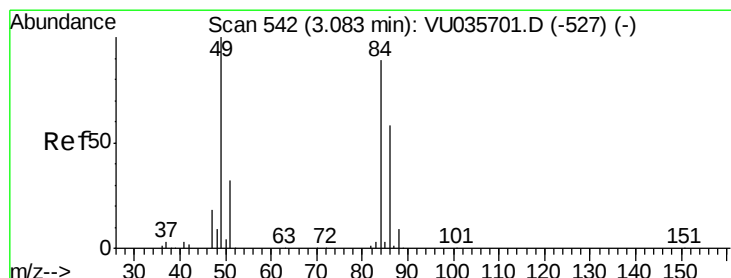
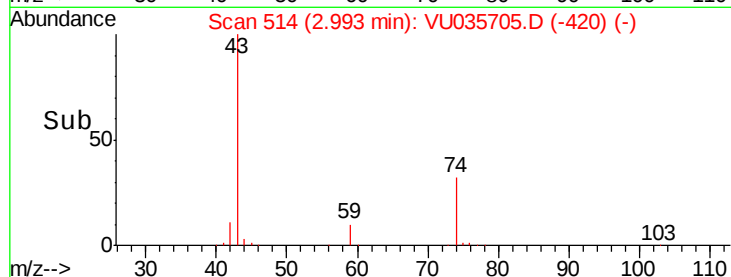
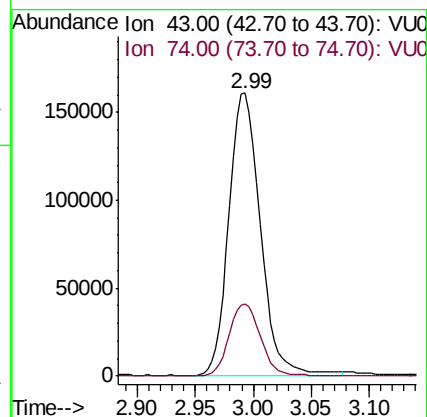
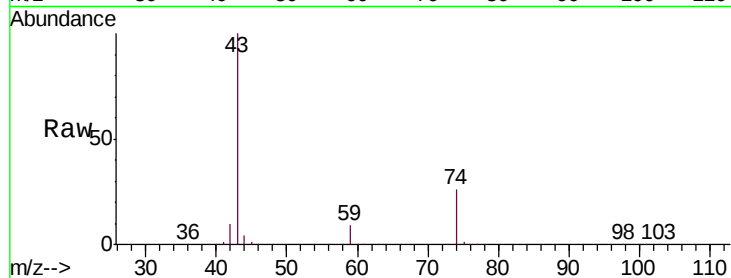
VSTD05046

Tgt Ion: 43 Resp: 300933

Ion Ratio Lower Upper

43 100

74 25.6 19.8 29.6



#16

Methylene chloride

Concen: 51.065 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

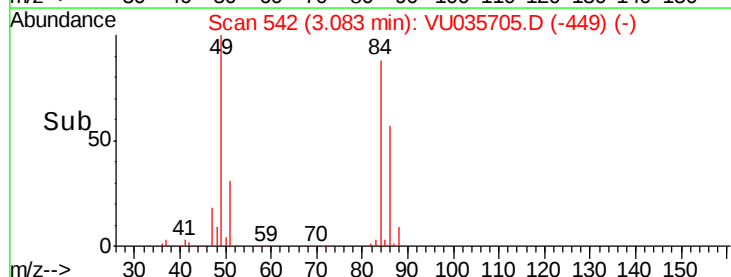
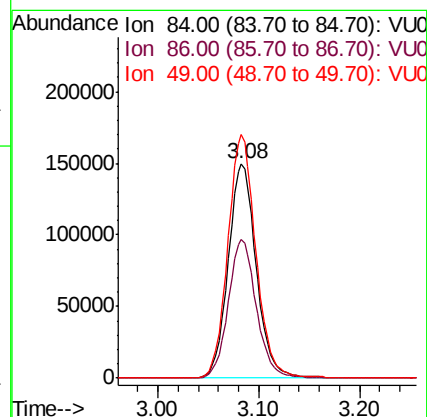
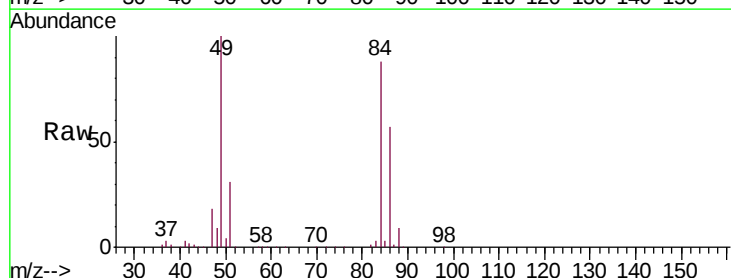
Tgt Ion: 84 Resp: 290440

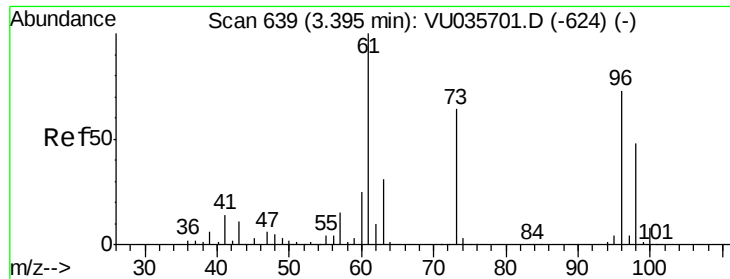
Ion Ratio Lower Upper

84 100

86 64.8 45.1 83.7

49 113.5 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 52.169 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

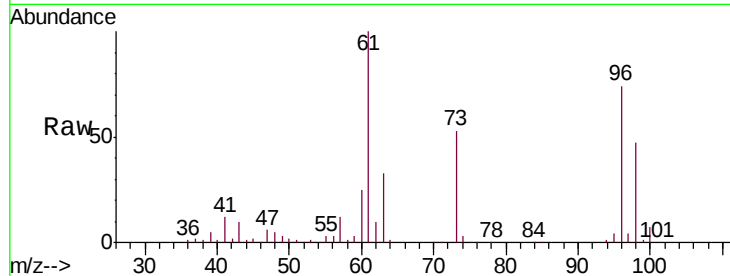
Tgt Ion: 96 Resp: 256088

Ion Ratio Lower Upper

96 100

61 135.9 95.3 176.9

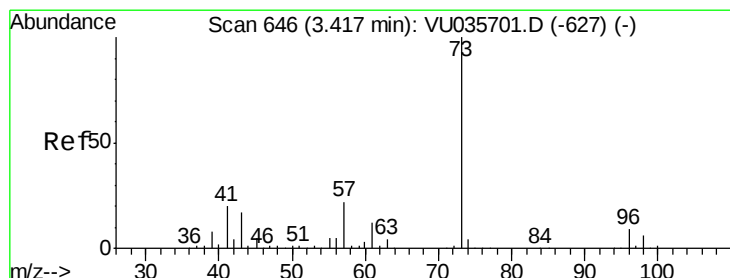
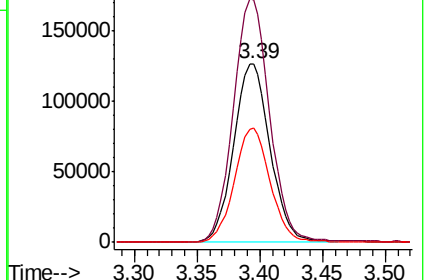
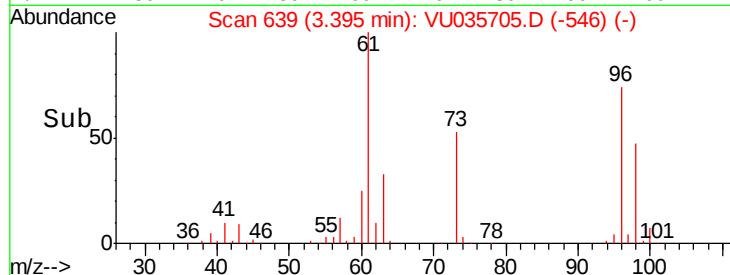
98 64.1 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU035705.D (-546) (-)

Ion 61.00 (60.70 to 61.70): VU035705.D (-546) (-)

Ion 98.00 (97.70 to 98.70): VU035705.D (-546) (-)



#18

Methyl tert-butyl Ether

Concen: 53.489 ug/L

RT: 3.42 min Scan# 646

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

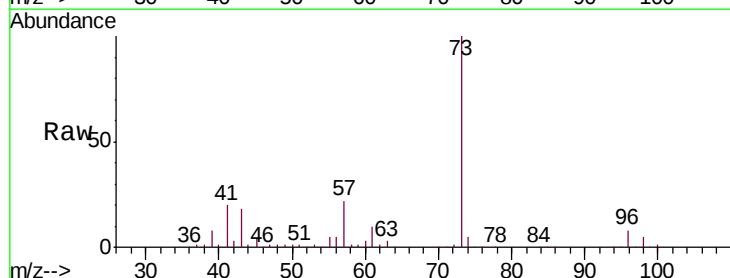
Tgt Ion: 73 Resp: 793841

Ion Ratio Lower Upper

73 100

43 17.2 14.2 21.2

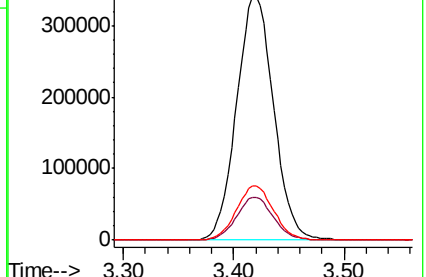
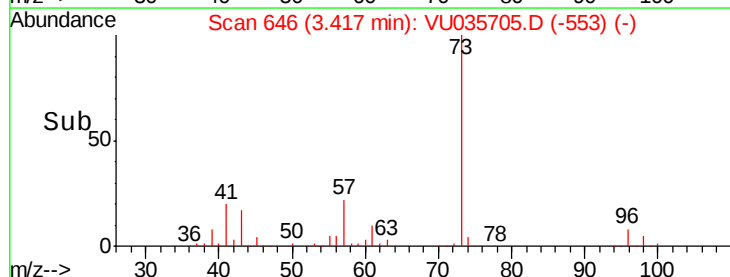
57 22.3 18.3 27.5

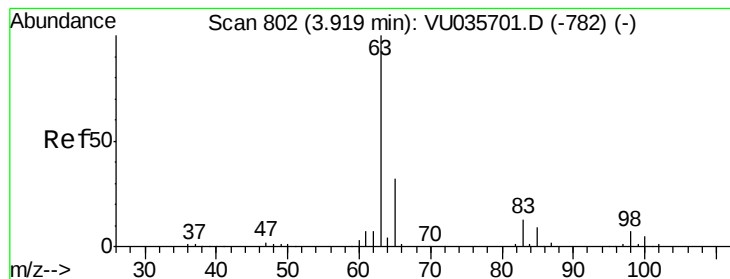


Abundance Ion 73.00 (72.70 to 73.70): VU035705.D (-553) (-)

Ion 43.00 (42.70 to 43.70): VU035705.D (-553) (-)

Ion 57.00 (56.70 to 57.70): VU035705.D (-553) (-)





#19

1,1-Dichloroethane

Concen: 51.540 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

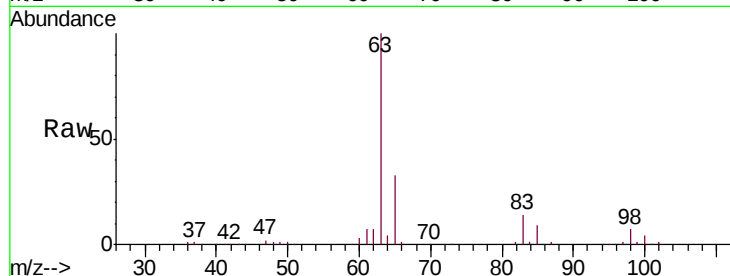
Tgt Ion: 63 Resp: 488043

Ion Ratio Lower Upper

63 100

65 32.7 22.1 41.1

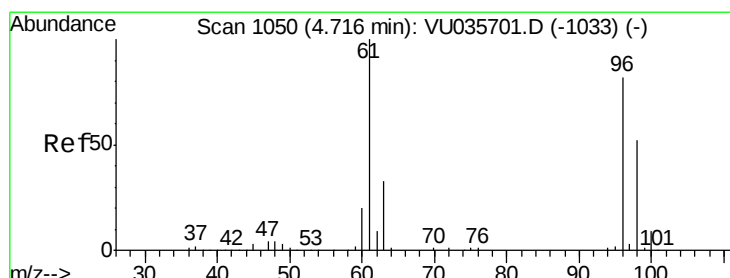
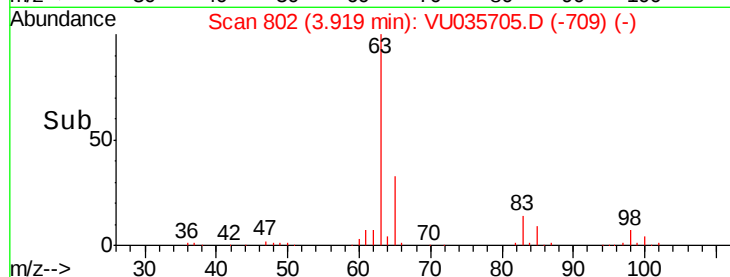
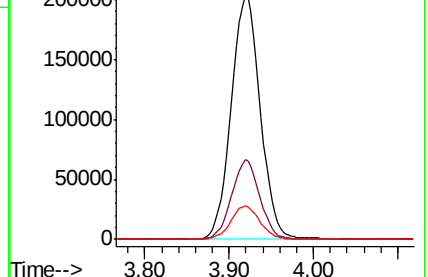
83 13.7 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU035705.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU035705.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU035705.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.097 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

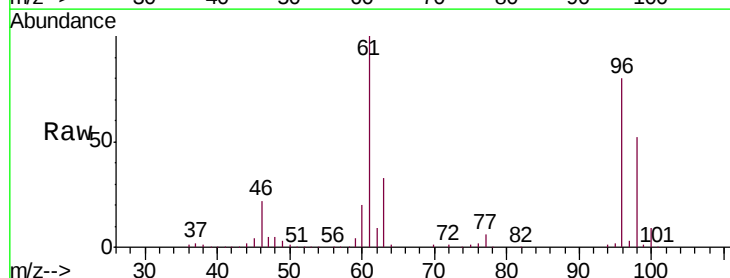
Tgt Ion: 96 Resp: 288446

Ion Ratio Lower Upper

96 100

61 125.7 90.6 168.3

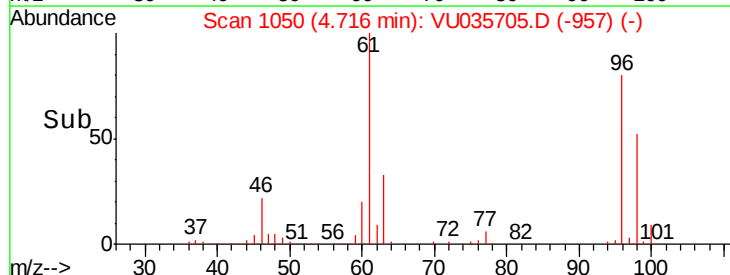
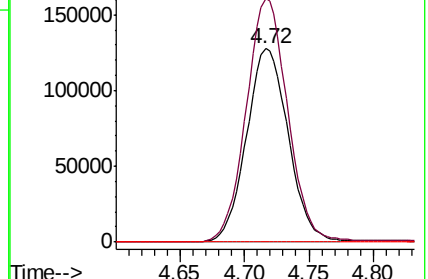
68 0.0 0.0 0.0

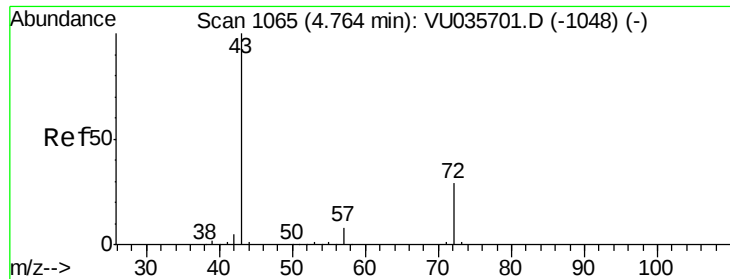


Abundance Ion 96.00 (95.70 to 96.70): VU035705.D (-957) (-)

Ion 61.00 (60.70 to 61.70): VU035705.D (-957) (-)

Ion 68.00 (67.70 to 68.70): VU035705.D (-957) (-)





#22

2-Butanone

Concen: 116.486 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

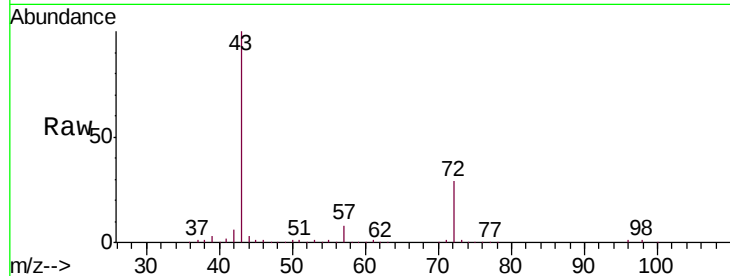
VSTD05046

Tgt Ion: 43 Resp: 487052

Ion Ratio Lower Upper

43 100

72 28.9 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VU035705.D (-972) (-)

Ion 72.00 (71.70 to 72.70): VU035705.D (-972) (-)

4.77

250000

200000

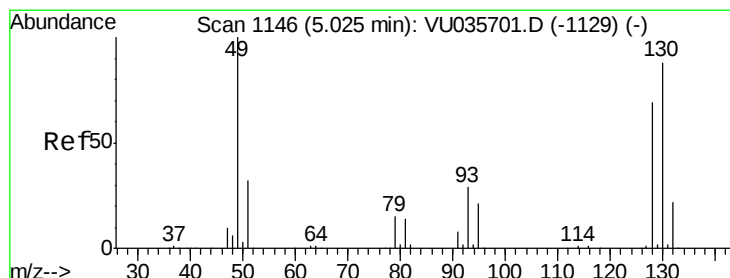
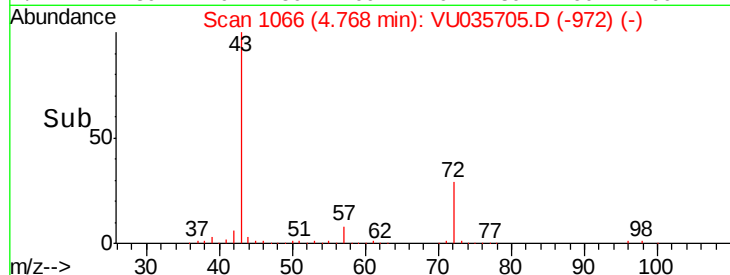
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 53.738 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Tgt Ion: 128 Resp: 157225

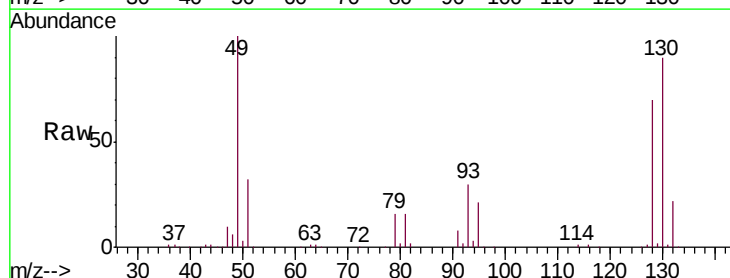
Ion Ratio Lower Upper

128 100

49 143.0 106.4 197.6

130 129.3 88.1 163.5

51 45.6 38.8 58.2



Abundance Ion 128.00 (127.70 to 128.70): VU035705.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU035705.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU035705.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU035705.D (-1053) (-)

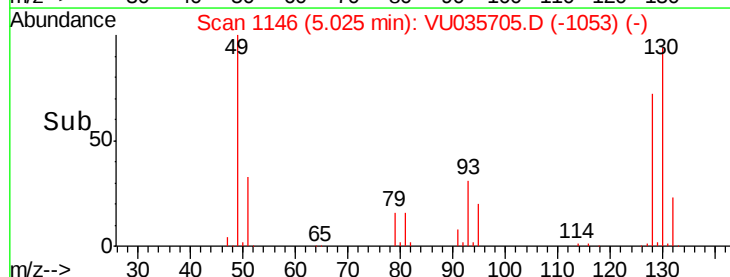
150000

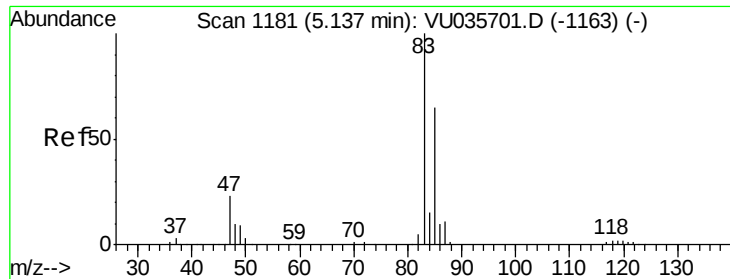
100000

50000

0

Time-->

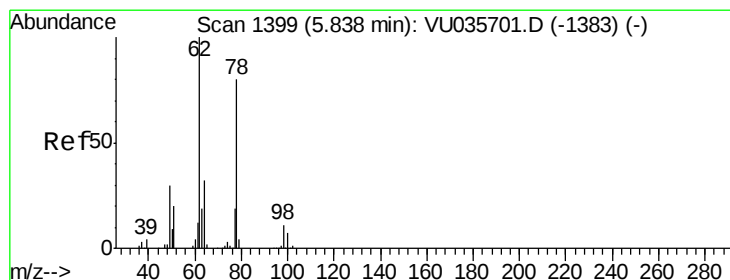
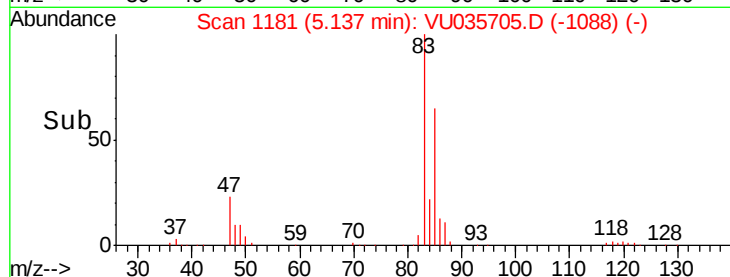
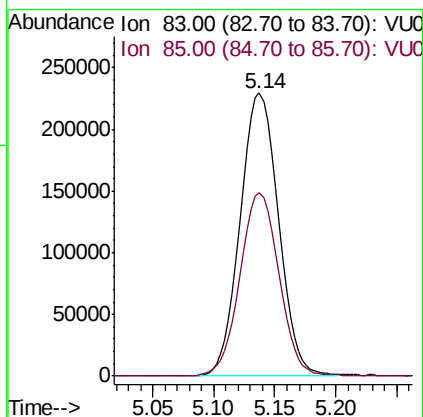
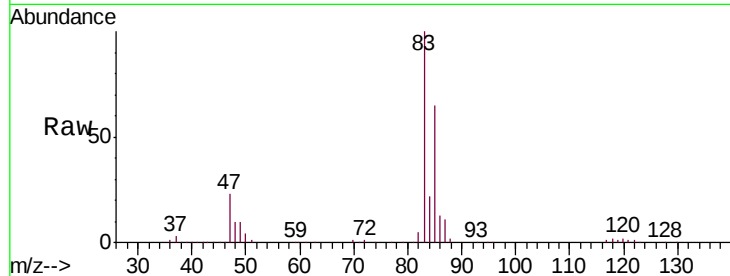




#25
Chloroform
Concen: 52.030 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035705.D
Acq: 13 Nov 2019 15:40

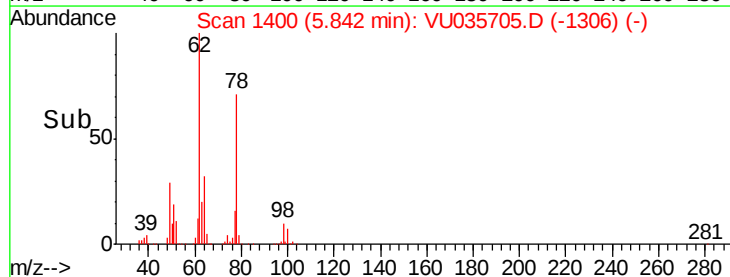
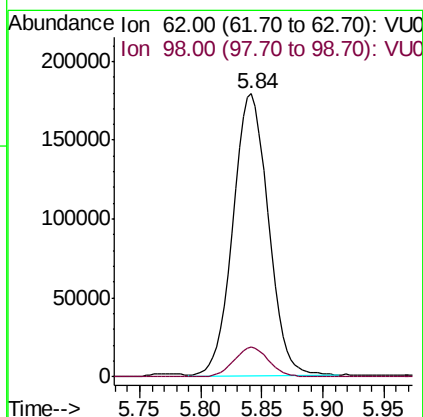
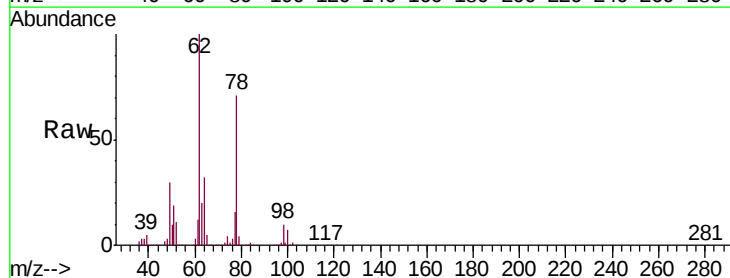
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

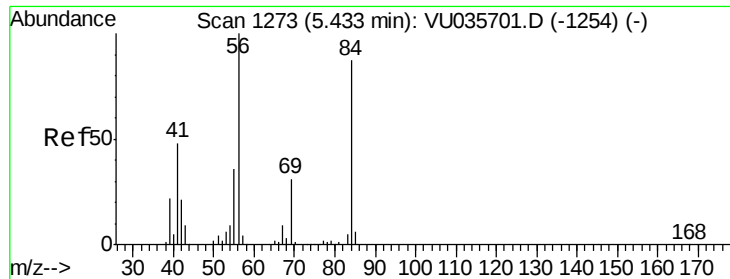
Tgt Ion: 83 Resp: 500371
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 51.122 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035705.D
Acq: 13 Nov 2019 15:40

Tgt Ion: 62 Resp: 359181
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.2

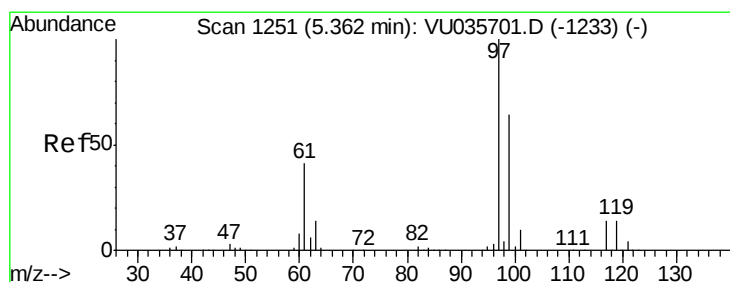
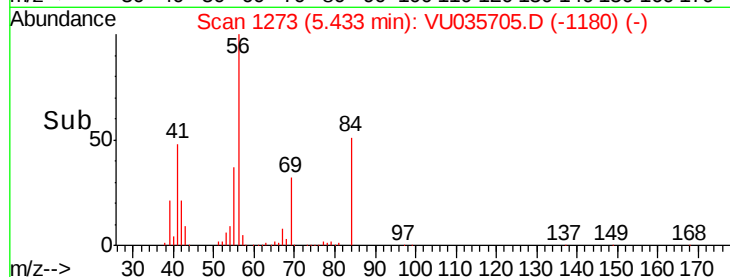
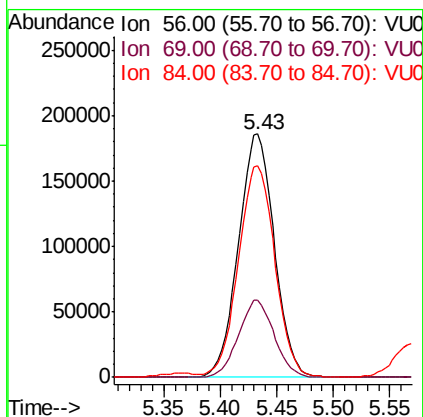
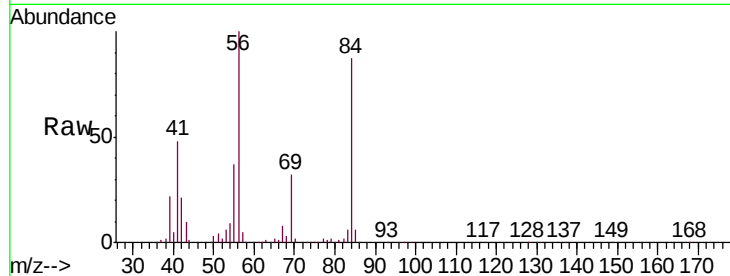




#29
Cyclohexane
Concen: 53.683 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU035705.D
Acq: 13 Nov 2019 15:40

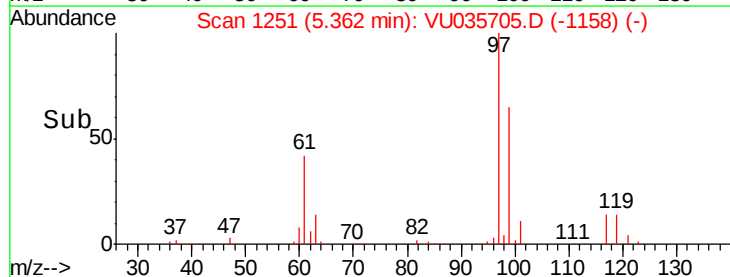
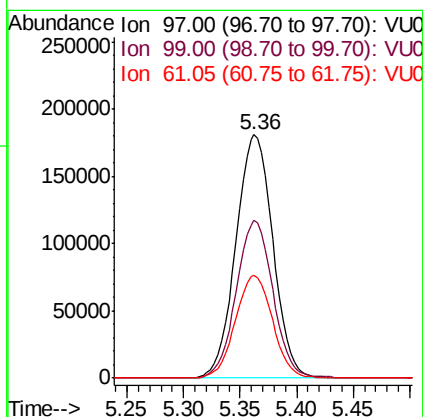
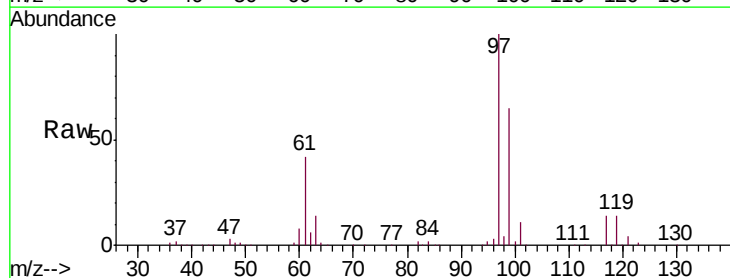
Instrument :
MSVOA_U
ClientSampled :
VSTD05046

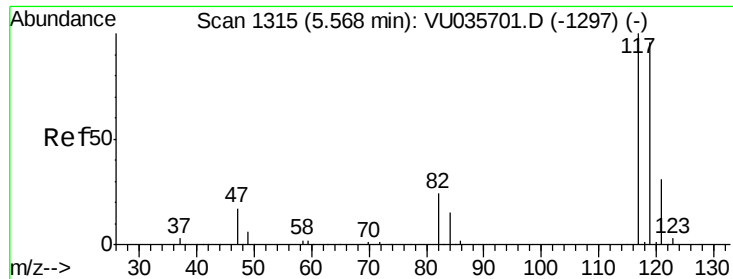
Tgt Ion: 56 Resp: 410683
Ion Ratio Lower Upper
56 100
69 31.4 24.4 36.6
84 88.2 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 52.322 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035705.D
Acq: 13 Nov 2019 15:40

Tgt Ion: 97 Resp: 412465
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 42.4 35.1 52.7





#31

Carbon tetrachloride

Concen: 53.433 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

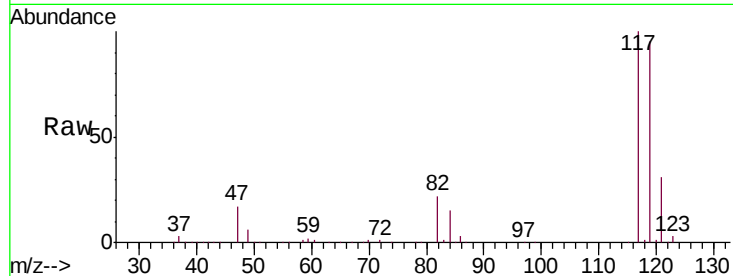
VSTD05046

Tgt Ion:117 Resp: 374532

Ion Ratio Lower Upper

117 100

119 94.8 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

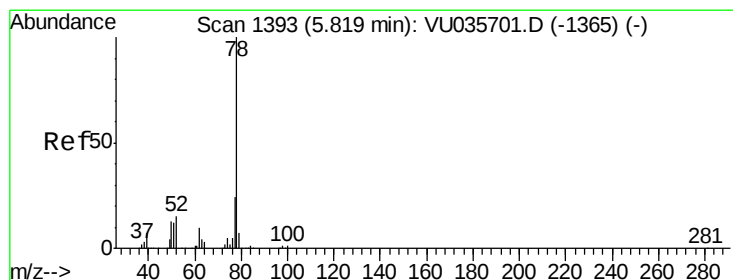
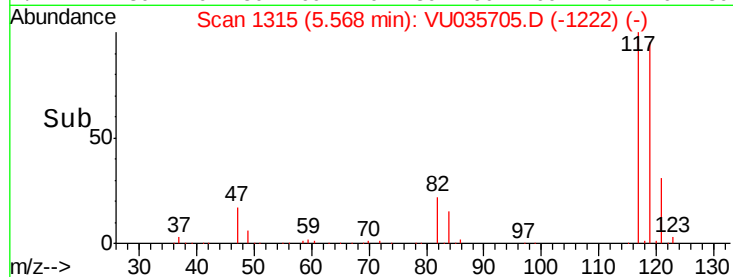
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 52.757 ug/L

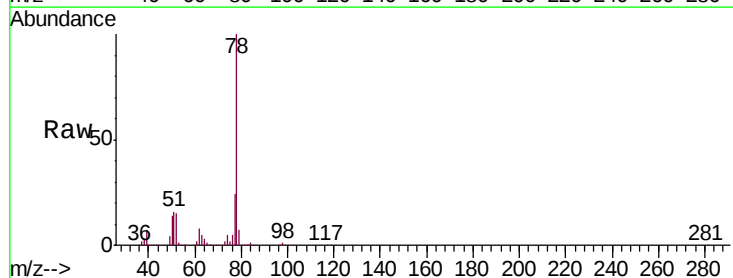
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Tgt Ion: 78 Resp: 1112069



Abundance Ion 78.00 (77.70 to 78.70): VU0

600000

500000

400000

300000

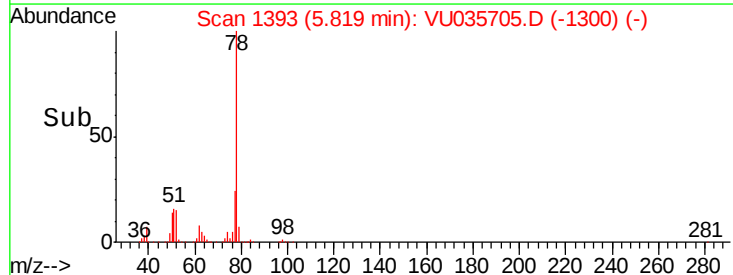
200000

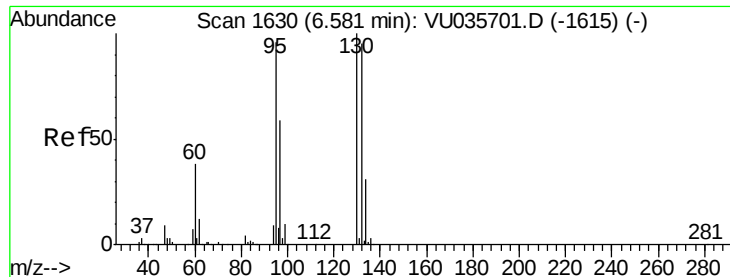
100000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 51.773 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 95 Resp: 277440

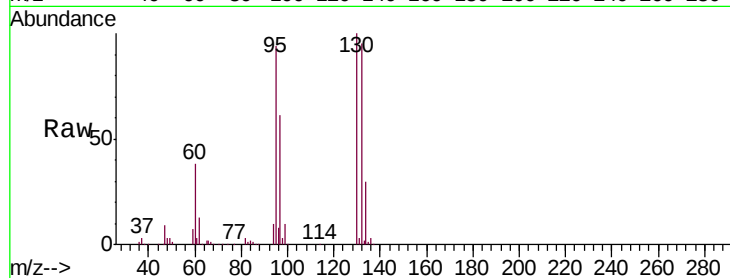
Ion Ratio Lower Upper

95 100

97 65.5 45.6 84.6

132 101.1 69.9 129.7

130 106.9 73.1 135.7



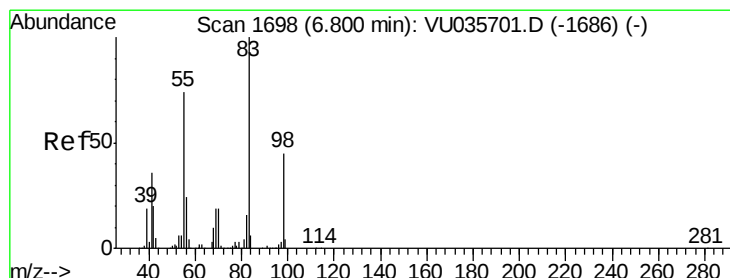
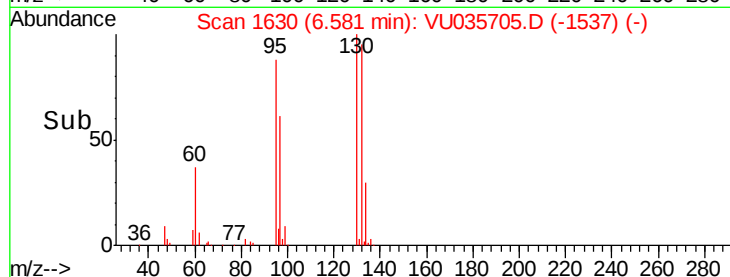
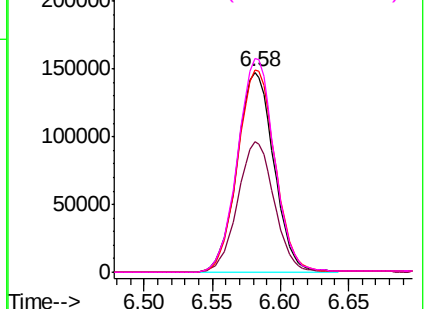
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 54.378 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

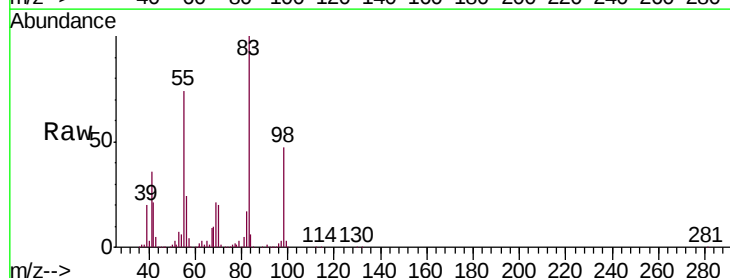
Tgt Ion: 83 Resp: 423216

Ion Ratio Lower Upper

83 100

55 74.0 61.0 91.4

98 46.1 36.6 54.8

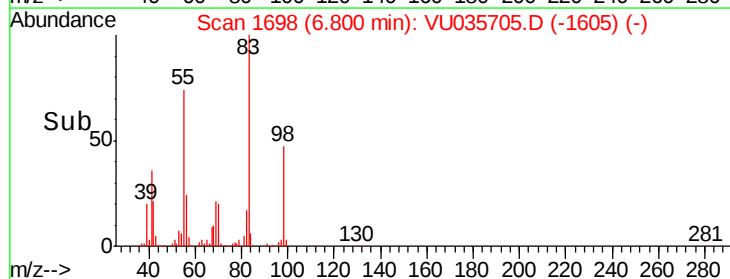
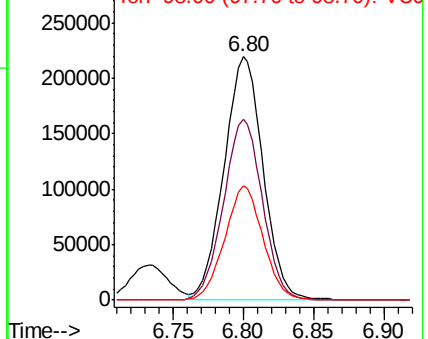


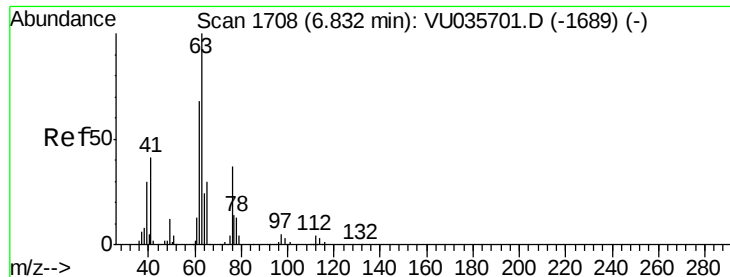
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.726 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

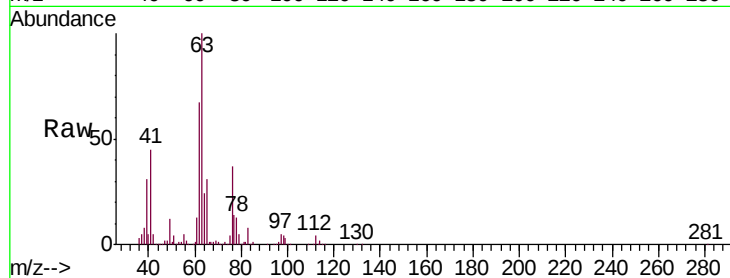
VSTD05046

Tgt Ion: 63 Resp: 297624

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU035701.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU035701.D (-1689) (-)

6.83

150000

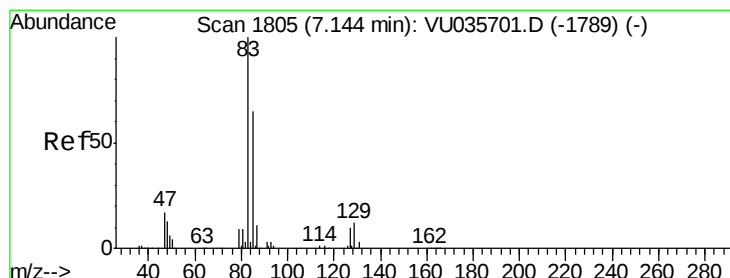
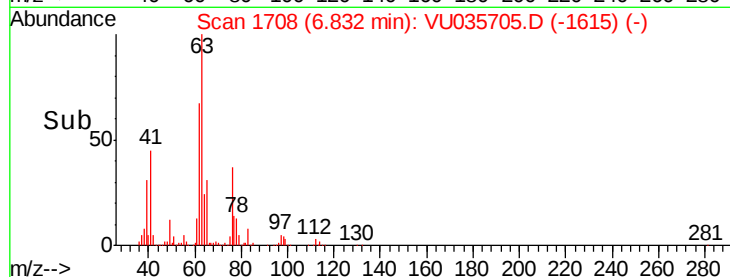
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 51.979 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

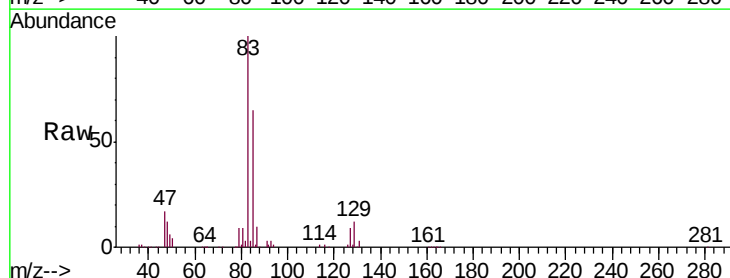
Tgt Ion: 83 Resp: 372945

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

127 9.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VU035701.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU035701.D (-1789) (-)

Ion 127.00 (126.70 to 127.70): VU035701.D (-1789) (-)

7.14

250000

200000

150000

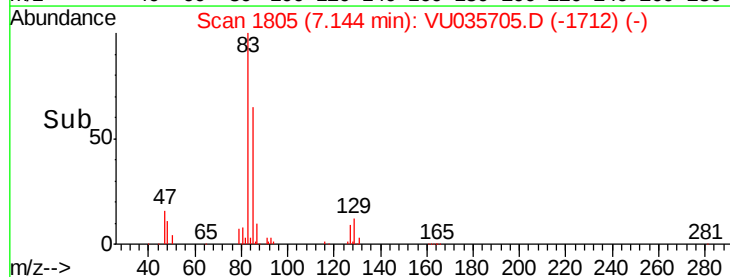
100000

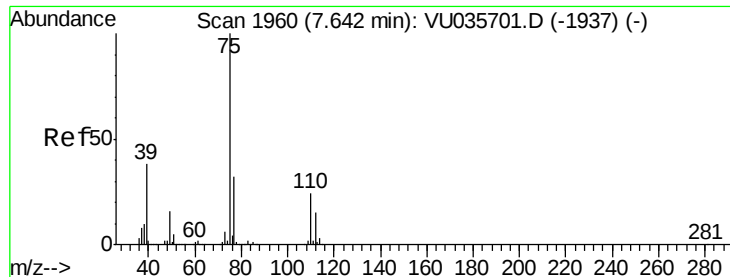
50000

0

7.10 7.20

Time-->



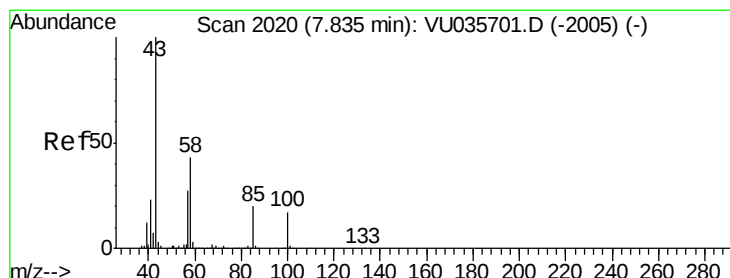
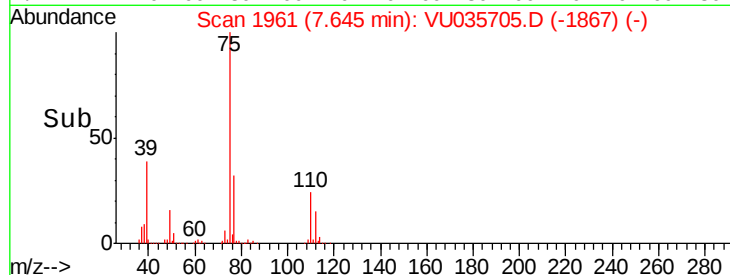
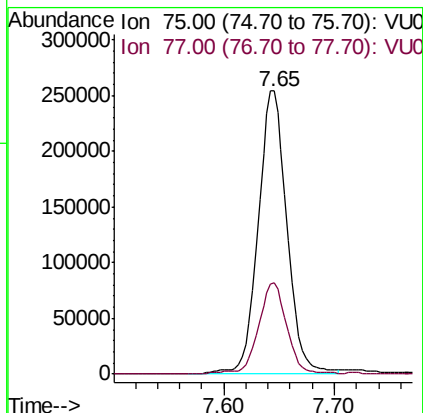
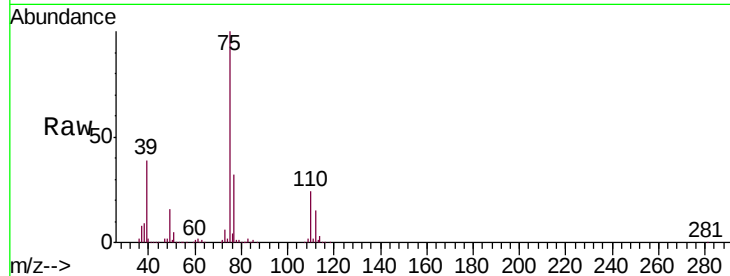


#39

cis-1,3-Dichloropropene
Concen: 54.767 ug/L
RT: 7.65 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VU035705.D
Acq: 13 Nov 2019 15:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

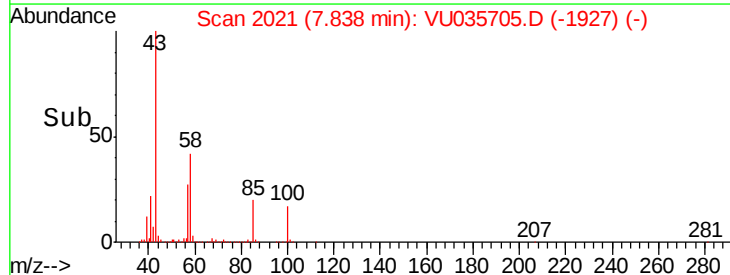
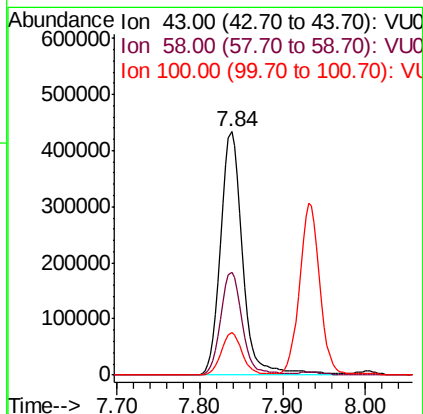
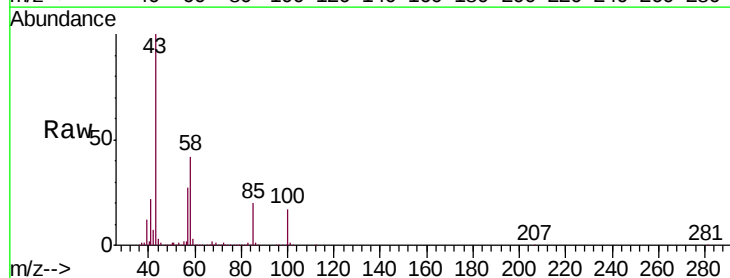
Tgt Ion: 75 Resp: 459509
Ion Ratio Lower Upper
75 100
77 32.4 22.3 41.5

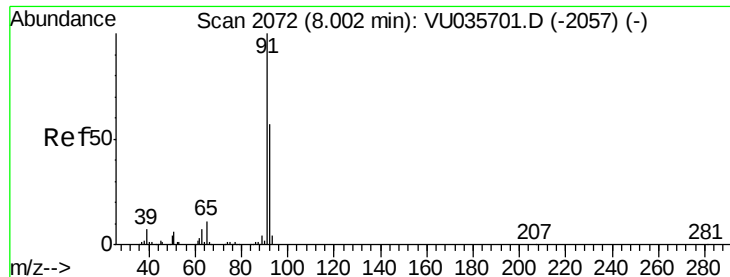


#40

4-Methyl-2-pentanone
Concen: 105.505 ug/L
RT: 7.84 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VU035705.D
Acq: 13 Nov 2019 15:40

Tgt Ion: 43 Resp: 796740
Ion Ratio Lower Upper
43 100
58 41.6 32.6 49.0
100 16.4 12.6 19.0





#42

Toluene

Concen: 54.868 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035705.D

Acq: 13 Nov 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

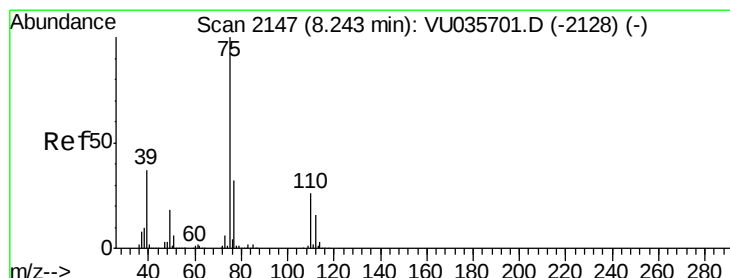
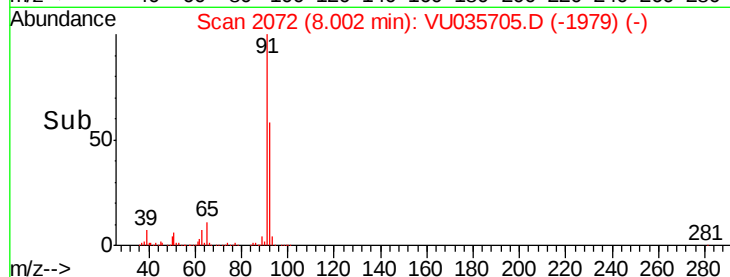
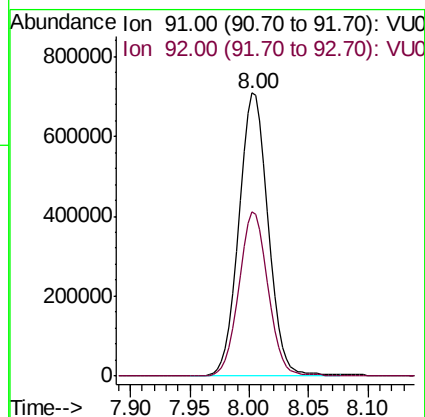
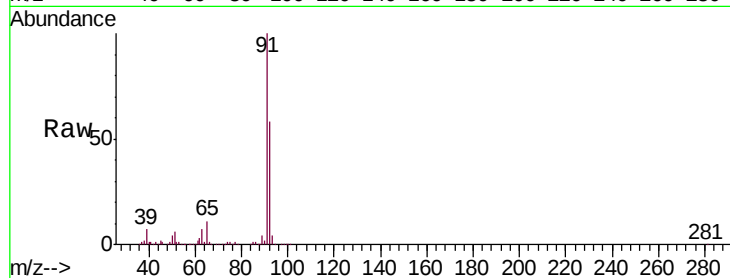
VSTD05046

Tgt Ion: 91 Resp: 1212159

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 54.486 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU035705.D

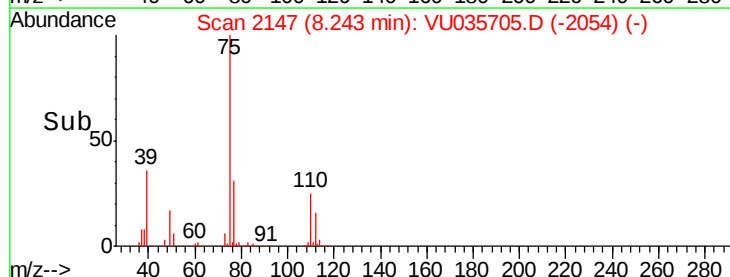
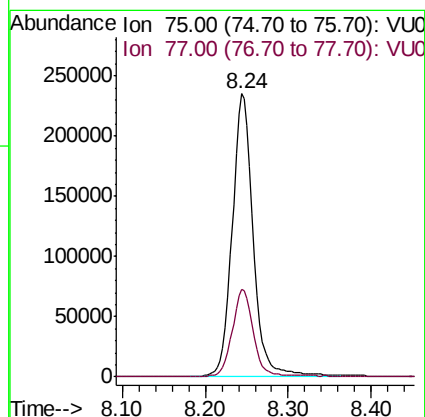
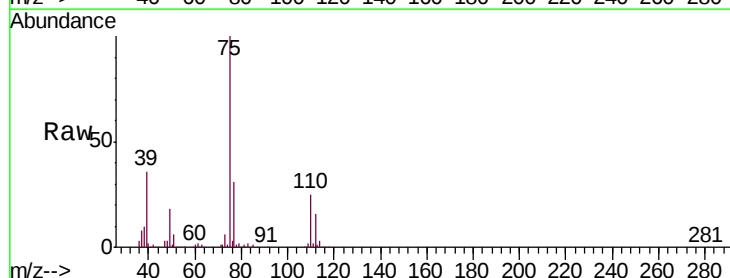
Acq: 13 Nov 2019 15:40

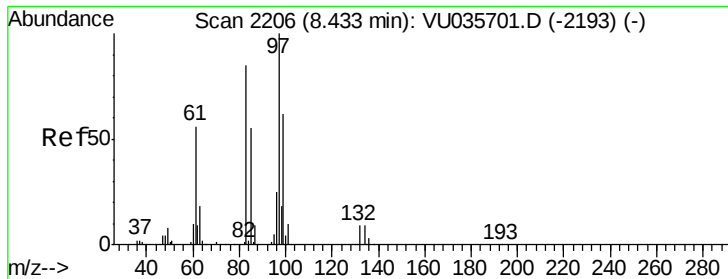
Tgt Ion: 75 Resp: 419045

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1

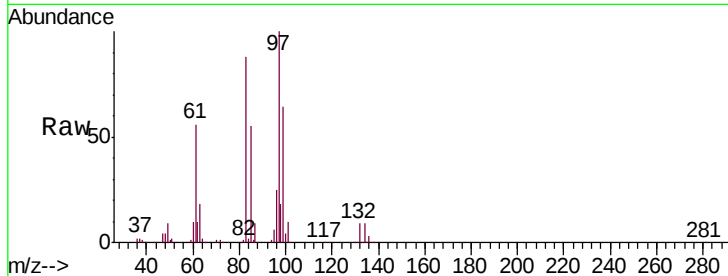




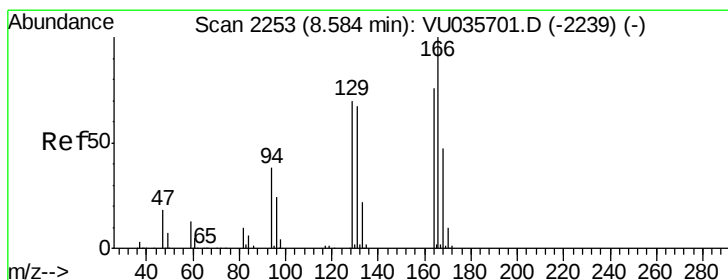
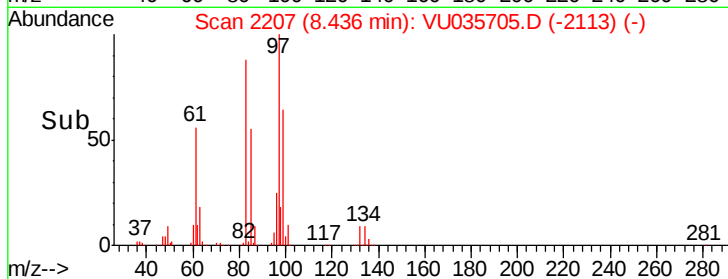
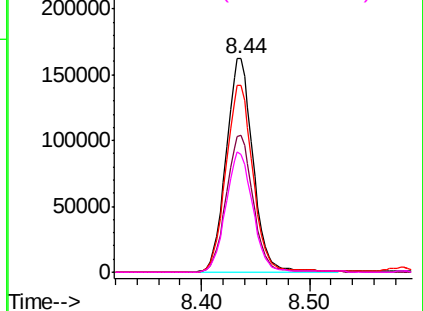
#45
 1,1,2-Trichloroethane
 Concen: 52.249 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035705.D
 Acq: 13 Nov 2019 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion:	97	Resp:	282695
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.2	82.2
83	87.8	61.5	114.3
85	55.3	39.3	73.1

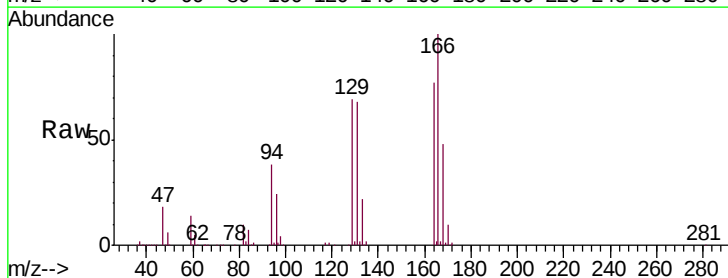


Abundance Ion 97.00 (96.70 to 97.70): VU035705.D (-2193) (-)
 Ion 99.00 (98.70 to 99.70): VU035705.D (-2193) (-)
 Ion 83.00 (82.70 to 83.70): VU035705.D (-2193) (-)
 Ion 85.00 (84.70 to 85.70): VU035705.D (-2193) (-)



#46
 Tetrachloroethene
 Concen: 54.949 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035705.D
 Acq: 13 Nov 2019 15:40

Tgt Ion:	164	Resp:	246216
Ion	Ratio	Lower	Upper
164	100		
129	89.8	64.1	119.1
131	88.1	63.1	117.1
166	129.7	88.5	164.3



Abundance Ion 164.00 (163.70 to 164.70): VU035705.D (-2239) (-)
 Ion 129.00 (128.70 to 129.70): VU035705.D (-2239) (-)
 Ion 131.00 (130.70 to 131.70): VU035705.D (-2239) (-)
 Ion 166.00 (165.70 to 166.70): VU035705.D (-2239) (-)

